2019

Wildfire Activity Statistics



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2019 Wildfire Activity Statistics

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FOREWORD WILDFIRE ACTIVITY STATISTICS

The California Department of Forestry and Fire Protection (CAL FIRE), under the direction of the State Board of Forestry and Fire Protection, provides the annual Wildfire Activity Statistics report. Although it contains other information, this report is primarily a statistical record of wildfire incidents responded to by CAL FIRE personnel and resources, performing the State/CAL FIRE mission, using State funding within CAL FIRE Direct Protection Area (DPA).

The existing overall fire protection system involving CAL FIRE and California as a whole is rather complex. A number of technical terms are utilized and the use of fire statistics typically presupposes some understanding of the overall framework. A description of this framework can be found at (https://www.fire.ca.gov/programs/communications/); and in the Glossary of terms at the end of this document.

The first Forest Fire Summary (RED BOOK) was published in 1943, and has continued to this date. Prior to 1989, data and statistics were tabulated manually; today, statistics are derived from an automated database. CAL FIRE began electronically entering incident data into the Emergency Activity Reporting System (EARS) on July 1, 1989. Starting at the end of 2006, CAL FIRE began reporting incidents using a web-based subscription service called California All Incident Reporting System (CAIRS). In 2019, CAL FIRE began reporting incidents using a web-based subscription service called CAL FIRE Incident Reporting System (CALFIRS). This data is imported into the California Incident Data and Statistics (CalStats) database by CAL FIRE staff and the data is uploaded annually to the National Database maintained by the United States Fire Administration (USFA). **Due to the changes in data collection, methods, and systems over the years, information may not always be comparable and data may be of differing accuracy or completeness.**

Throughout this report, the statistics are displayed by **who** provides the wildfire protection. Forces include CAL FIRE personnel and resources, CAL FIRE employees working under a local government agreement, Contract County personnel, and federal firefighting resources. The second part of the statistical reporting is **where** the protection is provided. Areas are categorized as State Responsibility Area (SRA) or DPA.

SRA is State and privately-owned forest, watershed, and rangeland for which the primary financial responsibility of preventing and suppressing wildfires rests with the State (Map 1).

The term "Direct Protection Area" is applied to indicate when a particular fire protection organization has the primary responsibility for responding to an uncontrolled fire and for directing the suppression activity. Thus, in addition to lands in SRA, CAL FIRE may have "direct protection" responsibility on lands in federal jurisdiction. At the same time, federal agencies, such as the U.S. Forest Service, may have "direct protection" responsibility for lands in SRA and federal areas for which CAL FIRE has "direct protection" responsibility for fire protection responses are depicted on Map 2.

The State contracts with six counties to provide protection of SRA within their boundaries. These counties [Kern, Los Angeles, Marin, Orange, Santa Barbara, and Ventura] are referred to as Contract Counties.

CAL FIRE provides fire protection services to many California citizens through the administration of 150 cooperative fire protection agreements in cities, districts, and 36 of the State's 58 counties. Wildfire statistics associated with incidents where local government reimburses CAL FIRE for services are displayed in Table 1.

This report also includes a statewide summary of California wildfires and a listing of wildfires over three hundred acres for all wildfire agencies (Table 5). The statistical information in this report is gathered from data in the previously defined CALFIRS and Incident Status Summaries (ICS-209) on the National Fire and Aviation Management (FAMWEB) website http://fam.nwcg.gov/fam-web/.

Additional Wildfire Activity Statistics for previous years can be found at the following website: https://www.fire.ca.gov/stats-events/.

2019 STATEWIDE FIRE SUMMARY

During 2019, wildfire firefighting agencies responded to 7,148 fires that burned 277,285 acres. For wildfire agencies, this represents a 6% decrease in the number of fires and an 86% decrease in acres burned from 2018. CAL FIRE, through State funded and local government contracts, reported 5,456 wildfire incidents that burned 137,134 acres, which represents an 8% decrease in fires and an 83% decrease in acres burned from 2018.

Table 1. Protection Areas by Wildfire Agency—Fires and Acres

Direct Protection Area	Fires	Acres Burned
CAL FIRE – (State Responsibility)	3,086	129,914
CAL FIRE – (Local Government Contracts)	2,370	7,220
Contract Counties	408	15,981
United States Forest Service	997	112,399
Bureau of Land Management	156	8,539
National Park Service	34	111
Bureau of Indian Affairs	80	334
United States Fish and Wildlife Service	15	2,754
Military	2	33
2019 Total	7,148	277,285
5 Year Average (2015-2019) All Agencies	7,915	1,059,051
5 Year Average CAL FIRE (2015-2019) Includes Local Govt. Contracts	5,791	398,313

Federal agencies provide their fire statistics as a courtesy to CAL FIRE.

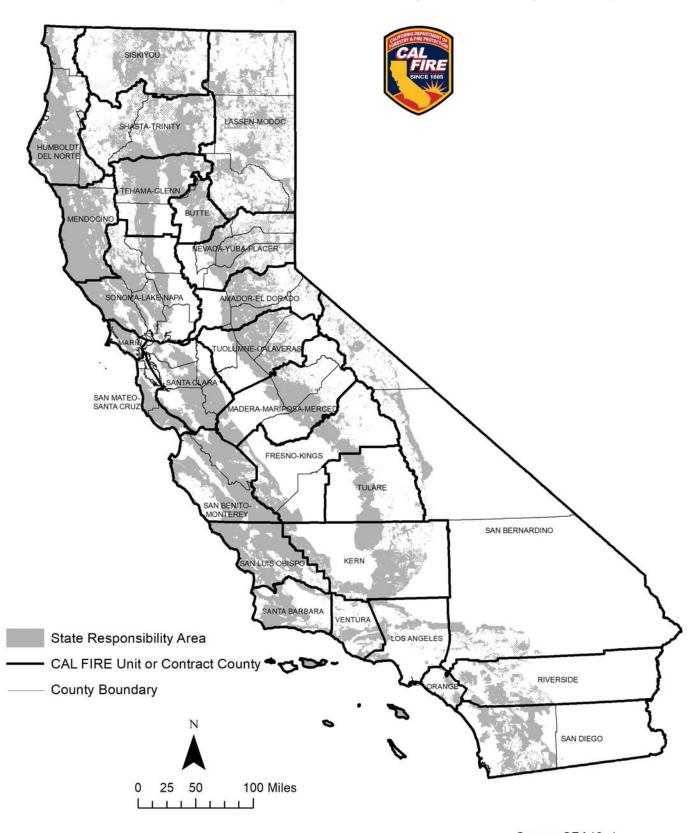
Table 2. The Top Five Fires for 2019 by Acreage Burned

Fire Name	County	Start Date	Acres Burned	Fire Cause	Structures Destroyed
Kincade	Sonoma	10/23/19	77,758	Electrical Power	374
Walker	Plumas	09/04/10	54,608	Undetermined	9
Tucker	Modoc	07/28/19	14,150	Undetermined	0
Taboose	Inyo	09/04/19	10,400	Lightning	0
Maria	Ventura	10/31/19	9,999	Electrical Power	4

Source: Redbook, Table 5, Large Fires 300 Acres and Greater – State and Contract Counties Direct Protection Areas and Table 6, Large Fires 300 Acres and Greater - Other Agencies Direct Protection Areas.

Map 1. State Responsibility Area (SRA)

State Responsibility Area (SRA)



Source: SRA19_1

Table 3. State Responsibility Area, Acres Protected by State and Other Agencies (2019)*

Table 3. State Res	Table 3. State Responsibility Area, Acres Protected by State and Other Agencies (2019)*						
COUNTY	CAL FIRE	USFS	BLM	NPS	CC	Other FED	TOTAL
Alameda	246,200	0	0	0	0	0	246,200
Alpine	0	34,800	400	0	0	0	35,200
Amador	279,700	9,200	0	0	0	0	288,900
Butte	500,800	35,300	0	0	0	0	536,100
Calaveras	524,400	2,300	0	0	0	0	526,700
Colusa	241,500	5,100	0	0	0	0	246,600
Contra Costa	193,200	0	0	0	0	0	193,200
Del Norte	172,600	16,700	0	800	0	0	190,100
El Dorado	405,000	144,500	0	0	0	0	549,500
Fresno	776,200	29,100	0	0	0	0	805,300
Glenn	290,100	7,400	0	0	0	0	297,500
Humboldt	1,542,700	69,400	0	400	0	0	1,612,500
Imperial	1,800	0	0	0	0	0	1,800
Inyo	308,100	11,600	16,900	0	0	0	336,600
Kern	0	29,500	152,100	0	1,642,700	0	1,824,300
Kings	149,000	0	0	0	0	0	149,000
Lake	355,600	40,000	0	0	0	0	395,600
Lassen	584,600	80,900	385,200	0	0	0	1,050,700
Los Angeles	0	28,600	0	0	469,800	0	498,400
Madera	368,100	9,700	0	0	0	0	377,800
Marin	0	0	0	0	199,800	0	199,800
Mariposa	426,900	16,200	0	700	0	0	443,800
Mendocino	1,838,700	24,500	0	0	0	0	1,863,200
Merced	393,900	0	0	0	0	0	393,900
Modoc	371,700	187,500	73,100	0	0	0	632,300
Mono	2,500	92,900	161,100	0	0	0	256,500
Monterey	1,250,400	38,000	0	0	0	0	1,288,400
Napa	360,400	0	0	0	0	0	360,400
Nevada	299,600	90,100	0	0	0	0	389,700
Orange	0	2,500	0	0	104,200	0	106,700
Placer	275,700	85,100	0	0	0	0	360,800
Plumas	96,600	343,900	100	0	0	0	440,600
Riverside	556,000	26,100	48,700	0	2,600	0	633,400
Sacramento	113,600	0	0	0	0	0	113,600
San Benito	729,000	0	0	0	0	0	729,000
San Bernardino	312,500	38,800	0	0	0	0	351,300
San Diego	1,088,400	80,300	0	0	0	0	1,168,700
San Francisco	0	0	0	0	0	0	0
San Joaquin	150,200	0	0	0	0	0	150,200
San Luis Obispo	1,406,700	40,500	81,500	0	1,700	0	1,530,400

Table 3. (continued) State Responsibility Area, Acres Protected by State and Other Agencies (2019) *

COUNTY	CAL FIRE	USFS	BLM	NPS	CC	Other FED	TOTAL
San Mateo	176,200	0	0	0	0	0	176,200
Santa Barbara	0	65,800	0	55,200	667,800	1,200	790,000
Santa Clara	554,700	0	0	0	0	0	554,700
Santa Cruz	228,600	0	0	0	0	0	228,600
Shasta	1,142,800	219,000	0	2,500	0	0	1,364,300
Sierra	0	157,400	2,300	0	0	0	159,700
Siskiyou	1,012,000	356,700	0	0	0	0	1,368,700
Solano	86,900	0	0	0	0	0	86,900
Sonoma	794,100	0	0	0	0	0	794,100
Stanislaus	448,100	0	0	0	0	0	448,100
Sutter	0	0	0	0	0	0	0
Tehama	1,148,900	136,800	0	0	0	0	1,285,700
Trinity	258,900	236,400	0	400	0	0	495,700
Tulare	573,300	11,700	11,200	2,500	0	300	599,000
Tuolumne	299,000	59,300	0	1,500	0	0	359,800
Ventura	0	48,300	0	0	305,200	0	353,500
Yolo	179,300	0	0	0	0	0	179,300
Yuba	184,900	30,000	0	0	0	0	214,900
TOTAL	23,700,100	2,941,900	932,600	64,000	3,393,800	1,500	31,033,900

CAL FIRE - California Department of Forestry and Fire Protection

USFS - United States Forest Service

BLM - Bureau of Land Management

NPS - National Park Service

CC - Contract County

Other FED - Other Federal Fire Protection Agency

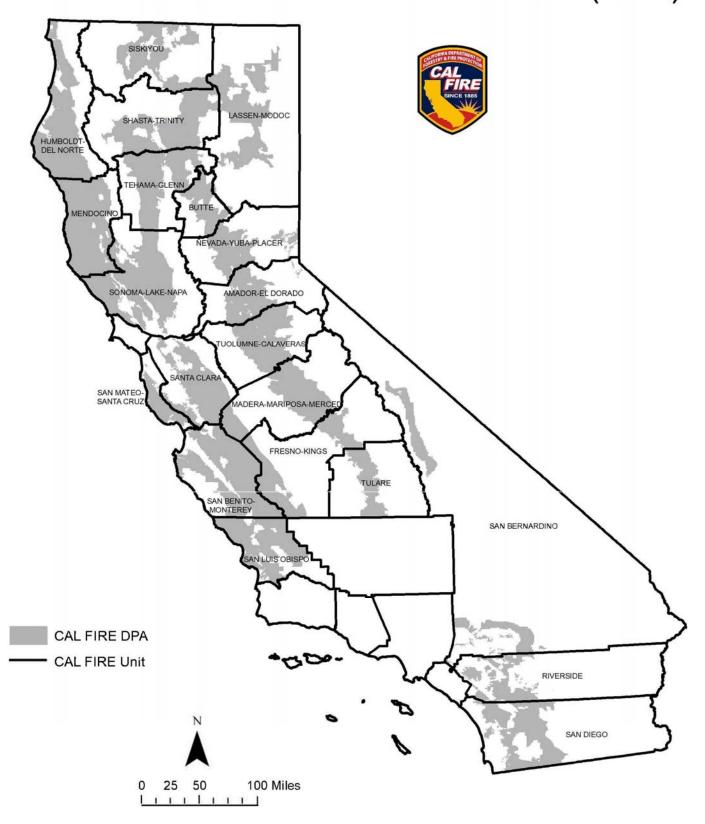
Source: SRA19_1, Direct Protection Areas 19_4

Map and data prepared by CAL FIRE Fire and Resource Assessment Program (FRAP)

^{*}Acres rounded to nearest hundred

Map 2. CAL FIRE - Direct Protection Area (DPA)

CAL FIRE Direct Protection Area (DPA)



Source: DirectProtectionAreas19_4

Table 15. Number of Acres Burned by Vegetation Type, by Unit

	Total	Brush	Grass	Timber	Woodland	Other
NORTHERN REGION						
Amador-El Dorado	637	4	589	42	2	0
Butte	721	2	709	6	3	1
Humboldt-Del Norte	71	3	55	13	0	0
Lassen-Modoc	92	26	43	13	10	0
Mendocino	1,104	1	887	215	1	0
Nevada-Yuba-Placer	323	22	283	14	4	0
San Mateo-Santa Cruz	94	61	14	19	0	0
Santa Clara	6,051	0	6,027	1	23	0
Shasta-Trinity	1,043	15	994	19	15	0
Siskiyou	139	30	91	17	1	0
Sonoma-Lake-Napa	81,314	70	81,204	39	1	0
Tehama-Glenn	12,428	8,853	3,565	0	10	0
TOTAL	104,017	9,087	94,461	398	70	1
SOUTHERN REGION						
Fresno-Kings	1,090	39	1,048	3	0	0
Madera-Mariposa	8,407	5,573	2,816	5	13	0
Riverside	5,061	976	4,084	1	0	0
San Benito-Monterey	3,881	19	3,861	1	0	0
San Bernardino	564	349	207	8	0	0
San Diego	908	523	377	0	8	0
San Luis Obispo	3,583	851	2,731	1	0	0
Tulare	1,495	1	1,493	1	0	0
Tuolumne-Calaveras	908	34	859	9	6	0
TOTAL	25,897	8,365	17,476	29	27	0
STATE TOTAL	129,914	17,452	111,937	427	97	1

Table 16. Number of Acres Burned by Vegetation Type, by County

COUNTY	Total	Brush	Grass	Timber	Woodland	Other
Alameda	262	0	262	0	0	0
Alpine	0	0	0	0	0	0
Amador	196	1	189	4	2	0
Butte	722	2	710	6	3	1
Calaveras	558	31	517	5	5	0
Colusa	2,254	4	2,250	0	0	0
Contra Costa	1,343	0	1,343	0	0	0
Del Norte	6	2	3	1	0	0
El Dorado	266	4	224	38	0	0
Fresno	915	39	873	3	0	0
Glenn	130	0	130	0	0	0
Humboldt	63	0	51	12	0	0
Imperial	0	0	0	0	0	0
Inyo	200	200	0	0	0	0
Kings	175	0	175	0	0	0
Lake	250	65	151	34	0	0
Lassen	40	17	13	5	5	0
Madera	212	1	206	2	3	0
Mariposa	7,862	5,572	2,277	3	10	0
Mendocino	1,105	1	888	215	1	0
Merced	333	0	333	0	0	0
Modoc	43	8	29	1	5	0
Mono	0	0	0	0	0	0
Monterey	3,601	19	3,581	1	0	0
Napa	653	1	652	0	0	0
Nevada	41	12	20	6	3	0
Placer	43	8	32	3	0	0

Table 16. (continued) Number of Acres Burned by Vegetation Type, by County

COUNTY	Total	Brush	Grass	Timber	Woodland	Other
Plumas	6	0	0	6	0	0
Riverside	5,061	977	4,083	1	0	0
Sacramento	163	0	163	0	0	0
San Benito	280	0	279	1	0	0
San Bernardino	364	149	208	7	0	0
San Diego	908	523	378	0	7	0
San Francisco	0	0	0	0	0	0
San Joaquin	547	0	547	0	0	0
San Luis Obispo	3,583	851	2,731	1	0	0
San Mateo	77	61	13	3	0	0
Santa Clara	612	0	587	1	24	0
Santa Cruz	18	1	1	16	0	0
Shasta	1,029	15	985	16	13	0
Sierra	0	0	0	0	0	0
Siskiyou	138	30	91	16	1	0
Solano	290	0	290	0	0	0
Sonoma	77,826	1	77,817	7	1	0
Stanislaus	3,504	0	3,503	1	0	0
Sutter	0	0	0	0	0	0
Tehama	12,298	8,853	3,434	1	10	0
Trinity	13	0	9	2	2	0
Tulare	1,495	1	1,493	1	0	0
Tuolumne	146	2	139	4	1	0
Yolo	45	0	45	0	0	0
Yuba	238	1	232	4	1	0
STATE TOTAL	129,914	17,452	111,937	427	97	1

Contract County statistics can be found in Table 7.

Table 17. Dollar Damage by Cause, by Unit

	ige by Guuse	Arson	Campfire	Debris Burning	Elec. Power	Equip. Use	Ltng.	Misc.	P-W-F	Railroad	Smoking	Undet.	Vehicle
NORTHERN REGION													
Amador-El Dorado	\$3,150,103	\$38,000	\$0	\$1	\$0	\$82,700	\$0	\$1,700	\$0	\$0	\$0	\$3,019,702	\$8,000
Butte	\$175,501	\$100,700	\$0	\$1,100	\$1,000	\$4,000	\$1	\$0	\$0	\$0	\$0	\$63,500	\$5,200
Humboldt-Del Norte	\$31,701	\$6,600	\$100	\$900	\$1	\$21,000	\$0	\$1,200	\$0	\$0	\$0	\$1,400	\$500
Lassen-Modoc	\$8,322	\$0	\$0	\$7,100	\$20	\$200	\$500	\$2	\$0	\$0	\$0	\$0	\$500
Mendocino	\$108,800	\$0	\$0	\$6,000	\$1,000	\$40,000	\$0	\$1,600	\$0	\$0	\$0	\$20,000	\$40,200
Nevada-Yuba-Placer	\$966,271	\$0	\$1,551	\$400	\$139,550	\$149,250	\$0	\$626,600	\$200	\$0	\$0	\$23,720	\$25,000
Batal Mateo-Santa Cruz	\$116,406	\$0	\$0	\$11,000	\$1,500	\$0	\$0	\$200	\$0	\$0	\$0	\$50	\$103,656
Santa Clara	\$844,021	\$265,510	\$400	\$0	\$100	\$81,300	\$0	\$14,201	\$0	\$0	\$0	\$350,210	\$132,300
Shasta-Trinity	\$4,703,640	\$4,000,000	\$50,500	\$21,000	\$19,000	\$83,300	\$1,000	\$100,800	\$0	\$0	\$100	\$420,000	\$7,940
Siskiyou	\$211,500	\$2,000	\$0	\$0	\$200,000	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0	\$500
Sonoma-Lake-Napa	\$384,240,361	\$50	\$0	\$203	\$383,763,206	\$149,682	\$80,000	\$109,020	\$500	\$0	\$500	\$17,000	\$120,200
Tehama-Glenn	\$1,380,950	\$400	\$201,250	\$289,200	\$13,200	\$10,300	\$472,200	\$37,850	\$0	\$0	\$0	\$46,350	\$310,200
TOTAL	\$395,937,576	\$4,413,260	\$253,801	\$336,904	\$384,138,577	\$621,732	\$553,701	\$902,173	\$700	\$0	\$600	\$3,961,932	\$754,196
SOUTHERN REGION													
Fresno-Kings	\$54,786	\$1,000	\$0	\$100	\$33,306	\$19,000	\$0	\$500	\$0	\$0	\$500	\$280	\$100
Madera-Mariposa	\$429,032	\$6,500	\$0	\$4,742	\$6,670	\$114,400	\$250	\$2,000	\$0	\$0	\$800	\$64,650	\$229,020
Riverside	\$496,090	\$0	\$0	\$6,000	\$40	\$12,100	\$0	\$11,850	\$10,000	\$0	\$500	\$442,600	\$13,000
San Benito-Monterey	\$42,521	\$20	\$500	\$1,000	\$7,150	\$1,351	\$0	\$500	\$0	\$0	\$500	\$400	\$31,100
San Bernardino	\$158,900	\$0	\$0	\$0	\$1,400	\$150	\$0	\$250	\$100	\$0	\$0	\$145,500	\$11,500
San Diego	\$371,100	\$0	\$0	\$0	\$5,000	\$1,400	\$0	\$0	\$0	\$0	\$0	\$269,200	\$95,500
San Luis Obispo	\$4,876,280	\$0	\$0	\$60	\$4,510,720	\$20,400	\$0	\$125,000	\$0	\$0	\$0	\$213,000	\$7,100
Tulare	\$362,717	\$800	\$0	\$2,000	\$0	\$8,502	\$0	\$350,000	\$0	\$0	\$0	\$1,415	\$0
Tuolumne-Calaveras	\$1,313,237	\$400,728	\$200	\$131,700	\$140,430	\$35,508	\$350	\$12,400	\$1,100	\$0	\$200	\$25,317	\$565,304
TOTAL	\$8,104,663	\$409,048	\$700	\$145,602	\$4,704,716	\$212,811	\$600	\$502,500	\$11,200	\$0	\$2,500	\$1,162,362	\$952,624
STATE TOTAL	\$404,042,239	\$4,822,308	\$254,501	\$482,506	\$388,843,293	\$834,543	\$554,301	\$1,404,673	\$11,900	\$0	\$3,100	\$5,124,294	\$1,706,820

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

Table 18. Dollar Damage by Cause, by County

COUNTY	Total	Arson	Campfire	Debris	Elec.	Equip.	Ltng.	Misc.	P-W-F	Railroad	Smoking	Undet.	Vehicle
				Burning	Power	Use					_		
Alameda	\$96,100	\$10,000	\$0	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$3,500	\$81,100
Alpine	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amador	\$82,201	\$0	\$0	\$1	\$0	\$80,500	\$0	\$1,200	\$0	\$0	\$0	\$500	\$0
Butte	\$175,501	\$100,700	\$0	\$1,100	\$1,000	\$4,000	\$1	\$0	\$0	\$0	\$0	\$63,500	\$5,200
Calaveras	\$1,104,399	\$400,228	\$200	\$128,800	\$1,500	\$3,000	\$350	\$11,500	\$0	\$0	\$0	\$25,017	\$533,804
Colusa	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0
Contra Costa	\$234,970	\$218,460	\$400	\$0	\$100	\$3,600	\$0	\$4,500	\$0	\$0	\$0	\$6,710	\$1,200
Del Norte	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
El Dorado	\$3,041,902	\$36,000	\$0	\$0	\$0	\$1,200	\$0	\$500	\$0	\$0	\$0	\$3,004,202	\$0
Fresno	\$53,530	\$1,000	\$0	\$100	\$32,050	\$19,000	\$0	\$500	\$0	\$0	\$500	\$280	\$100
Glenn	\$160,950	\$0	\$1,050	\$0	\$2,500	\$400	\$157,000	\$0	\$0	\$0	\$0	\$0	\$0
Humboldt	\$26,701	\$1,600	\$100	\$900	\$1	\$21,000	\$0	\$1,200	\$0	\$0	\$0	\$1,400	\$500
Imperial	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inyo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Kings	\$1,256	\$0	\$0	\$0	\$1,256	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lake	\$212,965	\$50	\$0	\$2	\$31	\$129,682	\$0	\$0	\$0	\$0	\$500	\$17,000	\$65,700
Lassen	\$6,320	\$0	\$0	\$5,600	\$20	\$200	\$500	\$0	\$0	\$0	\$0	\$0	\$0
Madera	\$20,580	\$2,000	\$0	\$4,700	\$5,060	\$2,200	\$0	\$2,000	\$0	\$0	\$800	\$2,000	\$1,820
Mariposa	\$261,852	\$0	\$0	\$42	\$1,610	\$7,200	\$250	\$0	\$0	\$0	\$0	\$52,550	\$200,200
Mendocino	\$108,800	\$0	\$0	\$6,000	\$1,000	\$40,000	\$0	\$1,600	\$0	\$0	\$0	\$20,000	\$40,200
Merced	\$146,600	\$4,500	\$0	\$0	\$0	\$105,000	\$0	\$0	\$0	\$0	\$0	\$10,100	\$27,000
Modoc	\$502	\$0	\$0	\$0	\$0	\$0	\$0	\$2	\$0	\$0	\$0	\$0	\$500
Mono	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monterey	\$39,951	\$0	\$500	\$1,000	\$7,150	\$301	\$0	\$0	\$0	\$0	\$0	\$100	\$30,900
Napa	\$31,875	\$0	\$0	\$0	\$2,175	\$19,200	\$0	\$0	\$500	\$0	\$0	\$0	\$10,000
Nevada	\$329,550	\$0	\$50	\$0	\$127,000	\$16,300	\$0	\$170,500	\$0	\$0	\$0	\$5,700	\$10,000
Placer	\$133,020	\$0	\$500	\$400	\$50	\$128,950	\$0	\$100	\$0	\$0	\$0	\$3,020	\$0

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

COUNTY	Total	Arson	Campfire	Debris Burning	Elec. Power	Equip. Use	Ltng.	Misc.	P-W-F	Railroad	Smoking	Undet.	Vehicle
Plumas	\$1,500	\$0	\$0	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Riverside	\$496,090	\$0	\$0	\$6,000	\$40	\$12,100	\$0	\$11,850	\$10,000	\$0	\$500	\$442,600	\$13,000
Sacramento	\$23,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$8,000
San Benito	\$2,570	\$20	\$0	\$0	\$0	\$1,050	\$0	\$500	\$0	\$0	\$500	\$300	\$200
San Bernardino	\$158,900	\$0	\$0	\$0	\$1,400	\$150	\$0	\$250	\$100	\$0	\$0	\$145,500	\$11,500
San Diego	\$371,100	\$0	\$0	\$0	\$5,000	\$1,400	\$0	\$0	\$0	\$0	\$0	\$269,200	\$95,500
San Francisco	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Joaquin	\$18,480	\$4,600	\$0	\$0	\$1,080	\$1,500	\$0	\$500	\$0	\$0	\$0	\$0	\$10,800
San Luis Obispo	\$4,876,280	\$0	\$0	\$60	\$4,510,720	\$20,400	\$0	\$125,000	\$0	\$0	\$0	\$213,000	\$7,100
San Mateo	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Santa Clara	\$456,275	\$34,450	\$0	\$0	\$0	\$69,000	\$0	\$7,825	\$0	\$0	\$0	\$340,000	\$5,000
Santa Cruz	\$16,406	\$0	\$0	\$11,000	\$1,500	\$0	\$0	\$200	\$0	\$0	\$0	\$50	\$3,656
Shasta	\$4,686,340	\$4,000,000	\$50,500	\$21,000	\$19,000	\$81,800	\$1,000	\$100,000	\$0	\$0	\$100	\$405,000	\$7,940
Sierra	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Siskiyou	\$211,500	\$2,000	\$0	\$0	\$200,000	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0	\$500
Solano	\$8,601	\$0	\$0	\$1	\$8,000	\$600	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Sonoma	\$383,902,720	\$0	\$0	\$200	\$383,750,000	\$0	\$0	\$108,020	\$0	\$0	\$0	\$0	\$44,500
Stanislaus	\$104,284	\$500	\$0	\$800	\$350	\$38,108	\$0	\$1,876	\$50	\$0	\$0	\$100	\$62,500
Sutter	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tehama	\$1,220,000	\$400	\$200,200	\$289,200	\$10,700	\$9,900	\$315,200	\$37,850	\$0	\$0	\$0	\$46,350	\$310,200
Trinity	\$17,300	\$0	\$0	\$0	\$0	\$1,500	\$0	\$800	\$0	\$0	\$0	\$15,000	\$0
Tulare	\$362,717	\$800	\$0	\$2,000	\$0	\$8,502	\$0	\$350,000	\$0	\$0	\$0	\$1,415	\$0
Tuolumne	\$145,750	\$0	\$0	\$2,100	\$137,500	\$1,100	\$0	\$400	\$1,050	\$0	\$200	\$200	\$3,200
Yolo	\$4,200	\$0	\$0	\$0	\$3,000	\$200	\$0	\$1,000	\$0	\$0	\$0	\$0	\$0
Yuba	\$503,701	\$0	\$1,001	\$0	\$12,500	\$4,000	\$0	\$456,000	\$200	\$0	\$0	\$15,000	\$15,000
STATE TOTAL	\$404,042,239	\$4,822,308	\$254,501	\$482,506	\$388,843,293	\$834,543	\$554,301	\$1,404,673	\$11,900	\$0	\$3,100	\$5,124,294	\$1,706,820

Contract County statistics can be found in Table 7.

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

Table 19. Dollar Damage by Size, by Unit

Table 13. Bollar Ballia		Α	В	С	D	E	F	G	
	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >	
NORTHERN REGION									
Amador-El Dorado	\$3,150,103	\$7,902	\$140,701	\$3,001,500	\$0	\$0	\$0	\$0	
Butte	\$175,501	\$1,001	\$63,400	\$11,100	\$0	\$100,000	\$0	\$0	
Humboldt-Del Norte	\$31,701	\$8,601	\$23,100	\$0	\$0	\$0	\$0	\$0	
Lassen-Modoc	\$8,322	\$7,600	\$722	\$0	\$0	\$0	\$0	\$0	
Mendocino	\$108,800	\$7,100	\$81,700	\$0	\$0	\$20,000	\$0	\$0	
Nevada-Yuba-Placer	\$966,271	\$230,120	\$735,151	\$1,000	\$0	\$0	\$0	\$0	
San Mateo-Santa Cruz	\$116,406	\$570	\$104,836	\$11,000	\$0	\$0	\$0	\$0	
Santa Clara	\$844,021	\$23,162	\$157,981	\$401,800	\$156,078	\$105,000	\$0	\$0	
Shasta-Trinity	\$4,703,640	\$130,800	\$206,340	\$16,500	\$350,000	\$4,000,000	\$0	\$0	
Siskiyou	\$211,500	\$11,500	\$200,000	\$0	\$0	\$0	\$0	\$0	
Sonoma-Lake-Napa	\$384,240,361	\$125,176	\$196,485	\$88,700	\$0	\$0	\$80,000	\$383,750,000	
Tehama-Glenn	\$1,380,950	\$13,200	\$516,350	\$36,400	\$0	\$305,000	\$200,000	\$310,000	
TOTAL	\$3,150,103	\$7,902	\$140,701	\$3,001,500	\$0	\$0	\$0	\$0	
SOUTHERN REGION									
Fresno-Kings	\$54,786	\$5,700	\$36,280	\$2,806	\$10,000	\$0	\$0	\$0	
Madera-Mariposa	\$429,032	\$3,132	\$53,200	\$120,450	\$2,250	\$50,000	\$0	\$200,000	
Riverside	\$496,090	\$3,240	\$395,600	\$17,250	\$0	\$30,000	\$50,000	\$0	
San Benito-Monterey	\$42,521	\$2,501	\$29,820	\$5,200	\$0	\$5,000	\$0	\$0	
San Bernardino	\$158,900	\$158,800	\$0	\$100	\$0	\$0	\$0	\$0	
San Diego	\$371,100	\$108,800	\$12,300	\$250,000	\$0	\$0	\$0	\$0	
San Luis Obispo	\$4,876,280	\$5,020	\$137,260	\$723,000	\$1,000	\$0	\$4,010,000	\$0	
Tulare	\$362,717	\$300	\$359,415	\$2,002	\$1,000	\$0	\$0	\$0	
Tuolumne-Calaveras	\$1,313,237	\$908,533	\$245,204	\$159,500	\$0	\$0	\$0	\$0	
TOTAL	\$8,104,663	\$1,196,026	\$1,269,079	\$1,280,308	\$14,250	\$85,000	\$4,060,000	\$200,000	
STATE TOTAL	\$404,042,239	\$1,762,758	\$3,695,845	\$4,848,308	\$520,328	\$4,615,000	\$4,340,000	\$384,260,000	

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

Table 20. Dollar Damage by Size, by County

		Α	В	С	D	E	F	G
COUNTY	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >
Alameda	\$96,100	\$15,100	\$67,500	\$13,500	\$0	\$0	\$0	\$0
Alpine	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amador	\$82,201	\$500	\$81,701	\$0	\$0	\$0	\$0	\$0
Butte	\$175,501	\$1,001	\$63,400	\$11,100	\$0	\$100,000	\$0	\$0
Calaveras	\$1,104,399	\$904,883	\$45,816	\$153,700	\$0	\$0	\$0	\$0
Colusa	\$80,000	\$0	\$0	\$0	\$0	\$0	\$80,000	\$0
Contra Costa	\$234,970	\$912	\$4,256	\$12,800	\$117,002	\$100,000	\$0	\$0
Del Norte	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0
El Dorado	\$3,041,902	\$7,402	\$34,000	\$3,000,500	\$0	\$0	\$0	\$0
Fresno	\$53,530	\$5,700	\$36,280	\$1,550	\$10,000	\$0	\$0	\$0
Glenn	\$160,950	\$1,050	\$150,000	\$9,900	\$0	\$0	\$0	\$0
Humboldt	\$26,701	\$3,601	\$23,100	\$0	\$0	\$0	\$0	\$0
Imperial	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Inyo	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Kings	\$1,256	\$0	\$0	\$1,256	\$0	\$0	\$0	\$0
Lake	\$212,965	\$61,781	\$70,684	\$80,500	\$0	\$0	\$0	\$0
Lassen	\$6,320	\$6,100	\$220	\$0	\$0	\$0	\$0	\$0
Madera	\$20,580	\$380	\$15,200	\$5,000	\$0	\$0	\$0	\$0
Mariposa	\$261,852	\$2,652	\$6,000	\$950	\$2,250	\$50,000	\$0	\$200,000
Mendocino	\$108,800	\$7,100	\$81,700	\$0	\$0	\$20,000	\$0	\$0
Merced	\$146,600	\$100	\$32,000	\$114,500	\$0	\$0	\$0	\$0
Modoc	\$502	\$0	\$502	\$0	\$0	\$0	\$0	\$0
Mono	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Monterey	\$39,951	\$2,251	\$27,700	\$5,000	\$0	\$5,000	\$0	\$0
Napa	\$31,875	\$15,675	\$16,000	\$200	\$0	\$0	\$0	\$0
Nevada	\$329,550	\$197,450	\$132,100	\$0	\$0	\$0	\$0	\$0
Placer	\$133,020	\$2,670	\$130,350	\$0	\$0	\$0	\$0	\$0

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

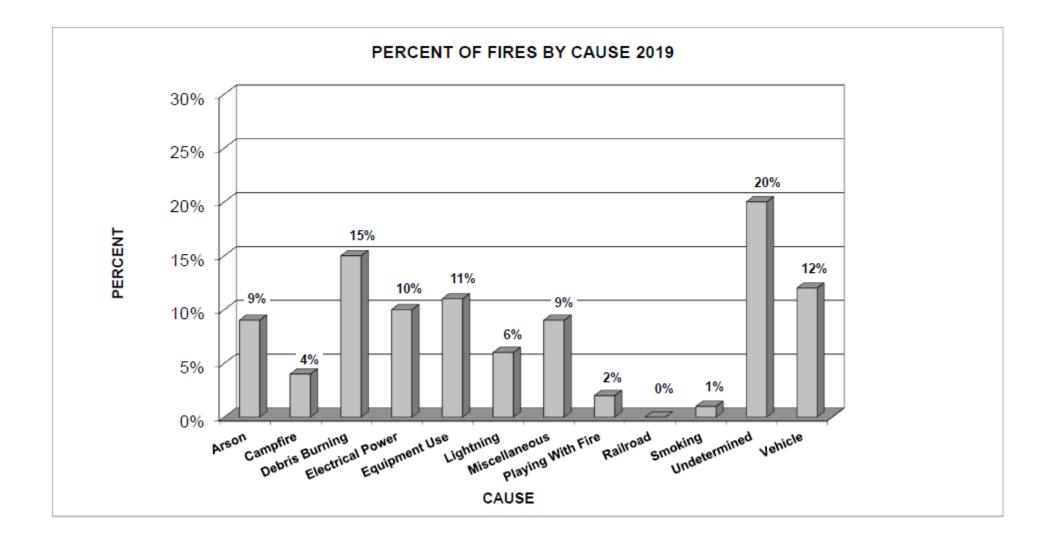
Table 20. (continued) Dollar Damage by Size, by County

		Α	В	С	D	E	F	G
COUNTY	Total	.25 acres or <	.26-9.99 acres	10-99 acres	100-299 acres	300-999 acres	1000-4999 acres	5000 acres >
Plumas	\$1,500	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0
Riverside	\$496,090	\$3,240	\$395,600	\$17,250	\$0	\$30,000	\$50,000	\$0
Sacramento	\$23,000	\$0	\$23,000	\$0	\$0	\$0	\$0	\$0
San Benito	\$2,570	\$250	\$2,120	\$200	\$0	\$0	\$0	\$0
San Bernardino	\$158,900	\$158,800	\$0	\$100	\$0	\$0	\$0	\$0
San Diego	\$371,100	\$108,800	\$12,300	\$250,000	\$0	\$0	\$0	\$0
San Francisco	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
San Joaquin	\$18,480	\$0	\$12,380	\$5,600	\$500	\$0	\$0	\$0
San Luis Obispo	\$4,876,280	\$5,020	\$137,260	\$723,000	\$1,000	\$0	\$4,010,000	\$0
San Mateo	\$100,000	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0
Santa Clara	\$456,275	\$2,050	\$78,225	\$373,300	\$2,700	\$0	\$0	\$0
Santa Cruz	\$16,406	\$570	\$4,836	\$11,000	\$0	\$0	\$0	\$0
Shasta	\$4,686,340	\$130,000	\$189,840	\$16,500	\$350,000	\$4,000,000	\$0	\$0
Sierra	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Siskiyou	\$211,500	\$11,500	\$200,000	\$0	\$0	\$0	\$0	\$0
Solano	\$8,601	\$0	\$601	\$8,000	\$0	\$0	\$0	\$0
Sonoma	\$383,902,720	\$44,720	\$108,000	\$0	\$0	\$0	\$0	\$383,750,000
Stanislaus	\$104,284	\$5,350	\$55,658	\$2,400	\$35,876	\$5,000	\$0	\$0
Sutter	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tehama	\$1,220,000	\$12,150	\$366,350	\$26,500	\$0	\$305,000	\$200,000	\$310,000
Trinity	\$17,300	\$800	\$16,500	\$0	\$0	\$0	\$0	\$0
Tulare	\$362,717	\$300	\$359,415	\$2,002	\$1,000	\$0	\$0	\$0
Tuolumne	\$145,750	\$3,400	\$141,350	\$1,000	\$0	\$0	\$0	\$0
Yolo	\$4,200	\$3,000	\$1,200	\$0	\$0	\$0	\$0	\$0
Yuba	\$503,701	\$30,000	\$472,701	\$1,000	\$0	\$0	\$0	\$0
STATE TOTAL	\$404,042,239	\$1,762,758	\$3,695,845	\$4,848,308	\$520,328	\$4,615,000	\$4,340,000	\$384,260,000

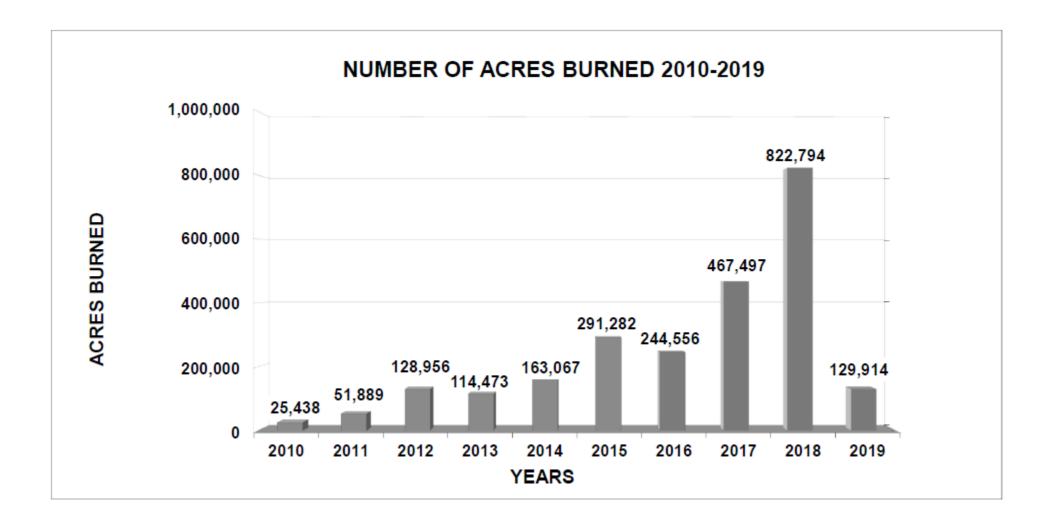
Contract County statistics can be found in Table 7.

^{*}Definition of what Dollar Damage entails can be found in the Glossary.

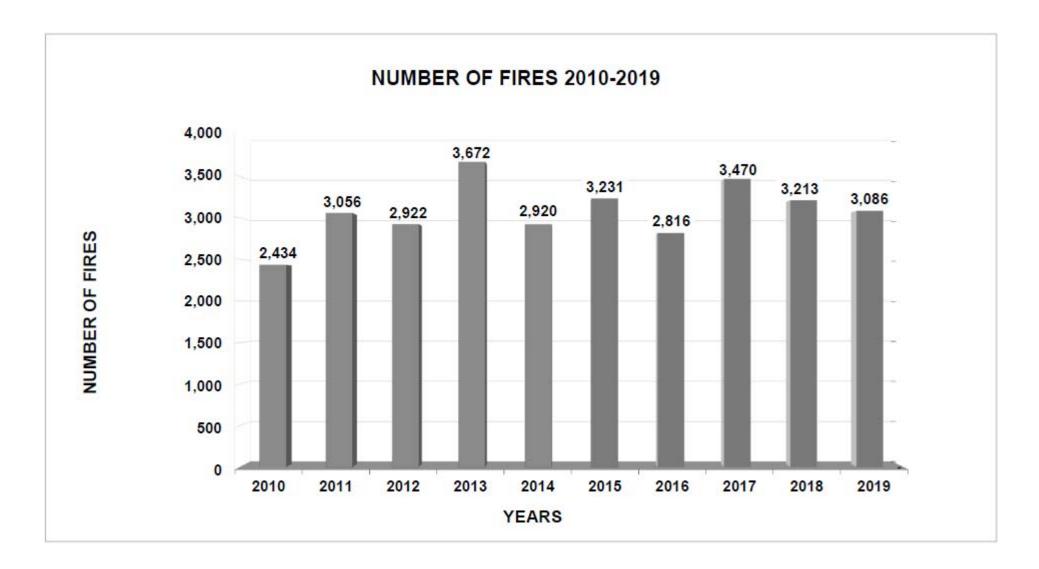
Graphic Figure 1. Percent of Fires by Cause



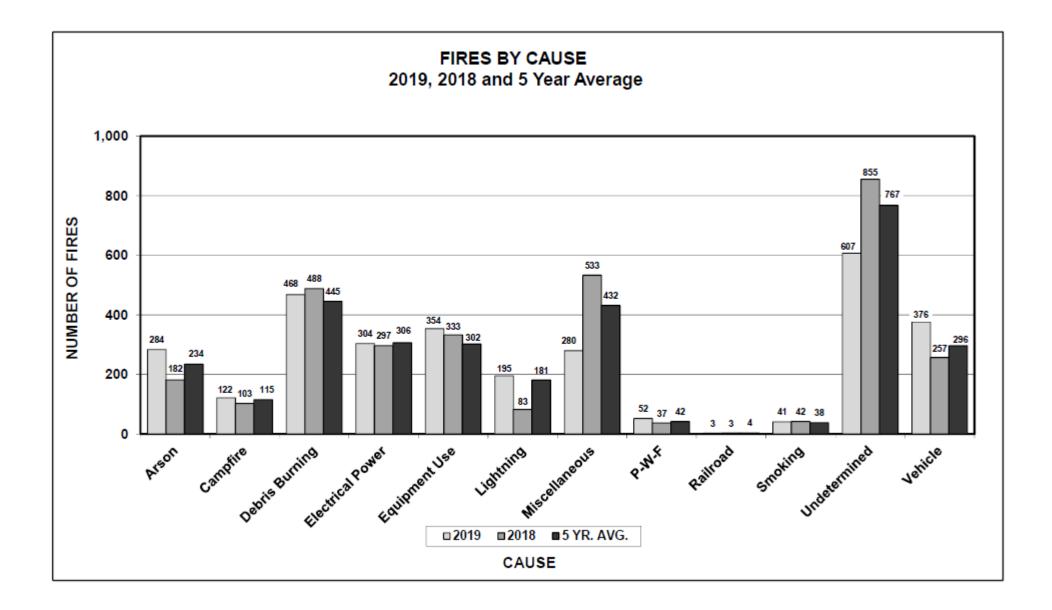
Graphic Figure 2. Number of Acres Burned — 2010-2019



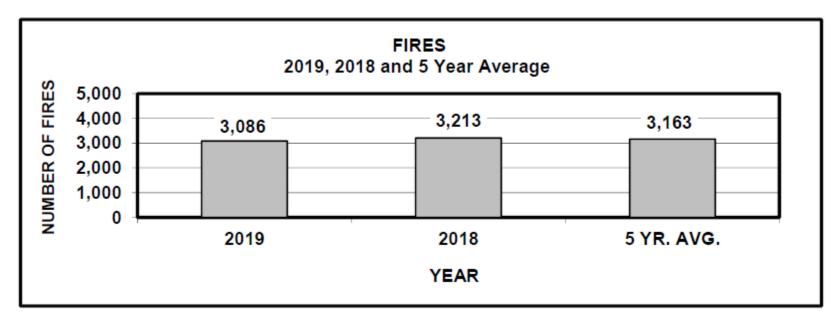
Graphic Figure 3. Number of Fires — 2010-2019

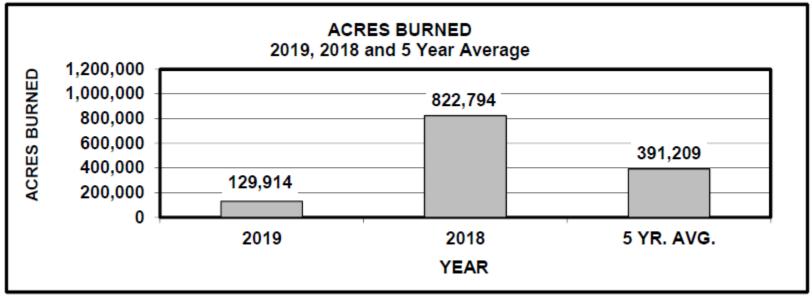


Graphic Figure 4. Number of Fires by Cause — 2019, 2018 and 5 Year Average

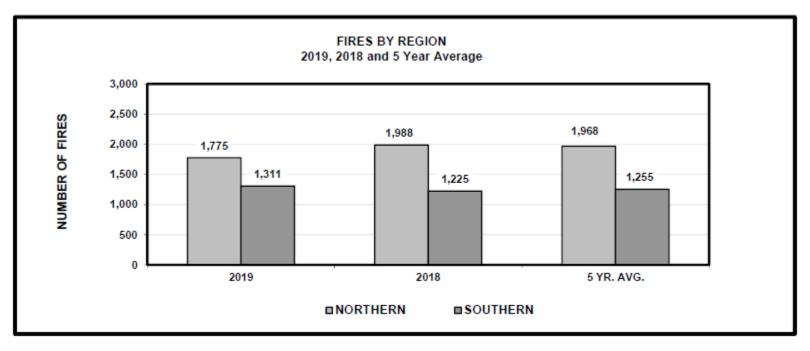


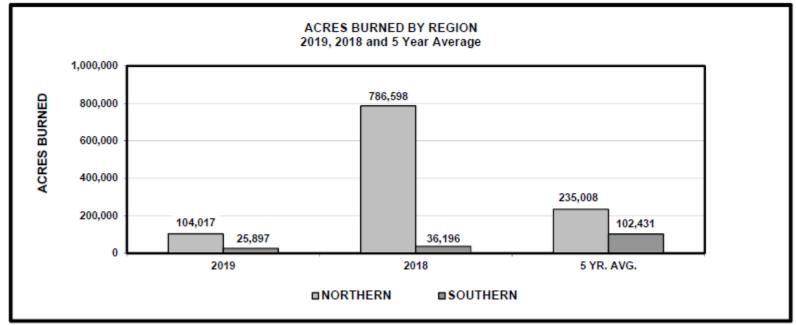
Graphic Figure 5. Fires and Acres — 2019, 2018 and 5 Year Average



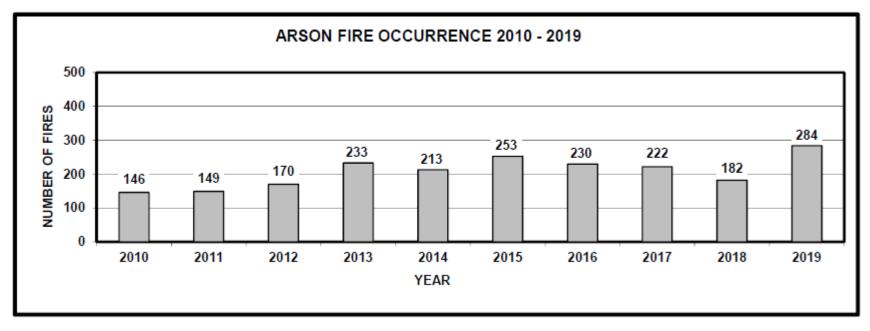


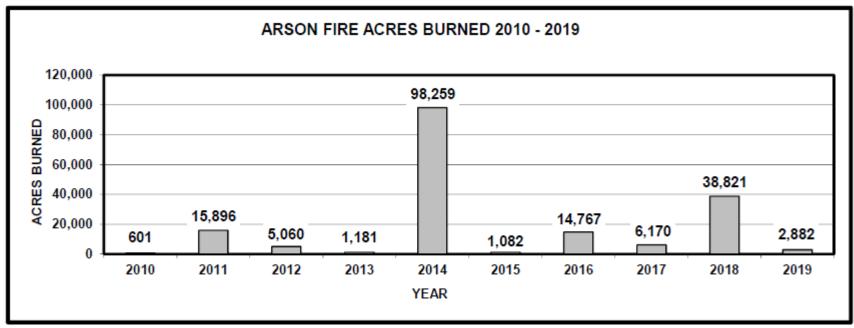
Graphic Figure 6. Fires and Acres by Region — 2019, 2018 and 5 Year Average



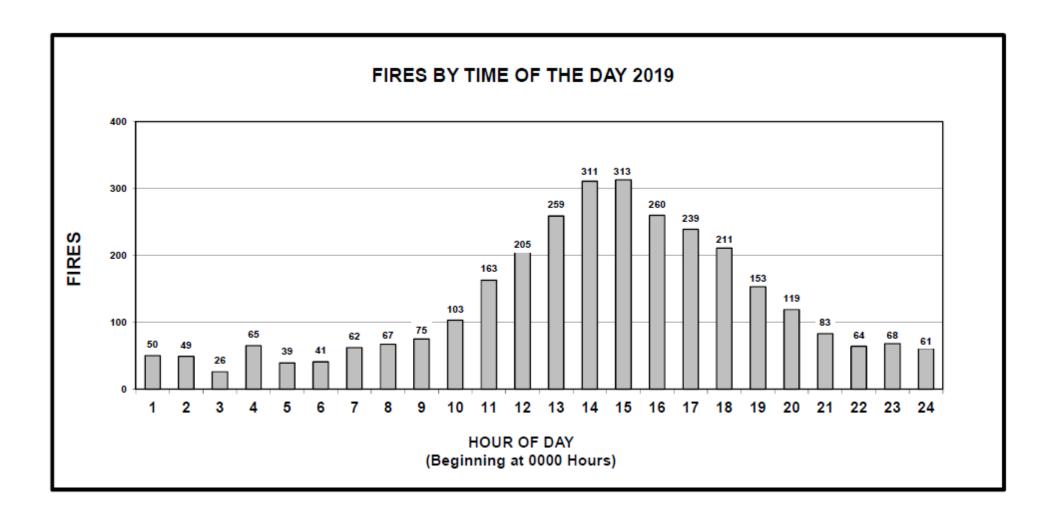


Graphic Figure 7. Number of Arson Fires and Acres — 2010-2019

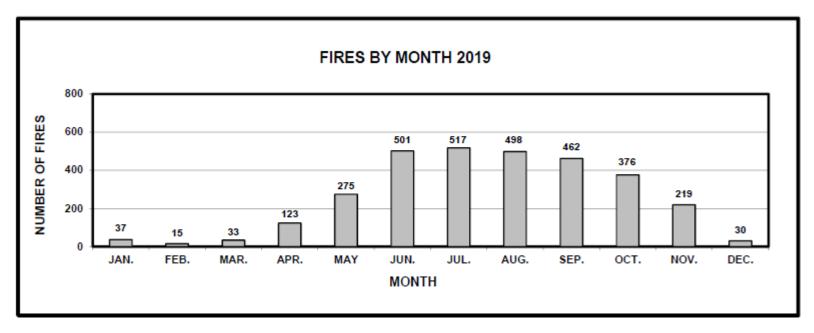


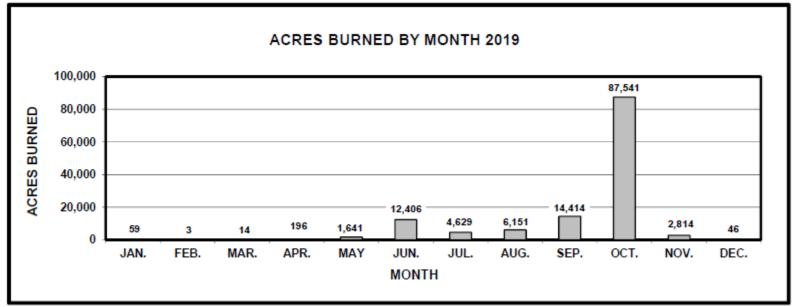


Graphic Figure 8. Number of Fires by Time of the Day

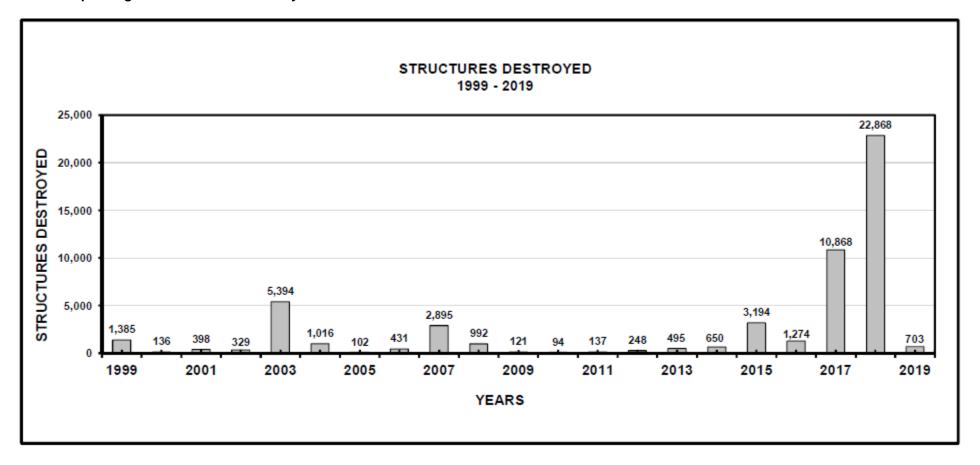


Graphic Figure 9. Number of Fires and Acres Burned by Month





Graphic Figure 10. Structures Destroyed — 1999-2019



The information on this list includes data on fire activity within the Direct Protection Areas of CAL FIRE and Contract Counties. This information is gathered from the ICS 209 incident reports and the CAL FIRE Damage Inspection (DINS) reports.

Structures Destroyed = Residence, commercial property, outbuilding or other structure that is declared lost.

2003 includes the Cedar Fire, which destroyed 4,847 structures.

2015 includes the Valley Fire, which destroyed 1,958 structures, and the Butte Fire, which destroyed 965 structures.

2016 includes the Erskine, Bluecut, Sand, and Clayton fires, which destroyed a combined total of 1,023 structures.

2017 includes the Thomas Fire, which destroyed 1,060 structures, as well as the Mendocino Lake Complex, Central LNU Complex, Southern LNU Complex and NEU Wind Complex incidents, which destroyed a combined total of 8,886 structures. These complex incidents were comprised of the Redwood Valley, Sulphur, Tubbs, Nuns, Pocket, Atlas, Cascade, La Porte, McCourtney, and Lobo fires.

2018 includes the Carr, Camp, and Woolsey fires, which destroyed 1,614 structures, 18,804 structures, and 1,185 structures, respectively.

GLOSSARY

ARSON – To unlawfully and intentionally damage, or attempt to damage, any real or personal property by fire or incendiary device.

CAMPFIRE – Outside fire used for cooking, warmth, lighting, ceremonial or aesthetic purposes.

CONTRACT COUNTIES – PRC §4133 and Section 55607 of the Government Code permit the CAL FIRE Director to contract with counties for protection of State Responsibility Area (SRA). In California, CAL FIRE contracts with six counties to provide fire-protection and prevention services in SRA. The counties of Kern, Los Angeles, Marin, Orange, Santa Barbara and Ventura are Contract Counties.

DEBRIS BURNING – Outside fire for vegetation, waste, or trash disposal.

DIRECT PROTECTION AREA (DPA) – The area for which a particular fire protection organization has the primary responsibility by law or contract for attacking an uncontrolled fire and directing the suppression activities.

DOLLAR DAMAGE – Estimates of the total property and contents dollar loss in terms of replacement in like kind and quantity. This estimation of the dollar loss includes property and contents damaged by fire, smoke, water, and overhaul. This does not include suppression costs or indirect loss, such as business interruption.

ELECTRICAL POWER – Fire ignited by electrical power distribution or transmission.

EQUIPMENT USE – Fire ignited by the use or failure of mechanical or electrical equipment. Does not include fire ignited by powerlines.

FOREST FIRE – A fire burning uncontrolled on land covered entirely or in part by timber, brush, grass, grain or other flammable vegetation.

LIGHTNING – Fire ignited by lightning discharge.

LOCAL GOVERNMENT – A fire department, especially of a municipal government, whose purpose is preventing and extinguishing fires.

LOCAL GOVERNMENT CONTRACT – PRC §4142 allows CAL FIRE to contract with local governments to provide fire protection and emergency services through the administration of 146 cooperative fire protection agreements in 35 of the State's 58 counties, 25 cities, 31 fire districts and 34 other special districts and service areas.

MISCELLANEOUS – Fire ignited by events or activities that are not classified as arson, campfire, debris burning, equipment use, lightning, playing with fire, powerline, railroad, smoking, vehicle, or undetermined.

OUTBUILDING – A building that is separate from a main building and located on the same property.

PLAYING WITH FIRE (P-W-F) – Fire ignited unintentionally by children while playing or experimenting with fire or fire-causing devices.

RAILROAD – Fire ignited by rail transport vehicles or fire ignited on or near railroad right-of-way.

SMOKING – Fires ignited by smoking tobacco or other smoking material; includes matches, lighters, or other heat sources used in smoking.

STATE RESPONSIBILITY AREA (SRA) – Areas of the State in which the financial responsibility of preventing and suppressing fires has been determined by the State Board of Forestry and Fire Protection, to be primarily the responsibility of the State, PRC §4102.

STRUCTURE – An assembly of materials forming a construction for occupancy or use to serve a specific purpose, includes enclosed building, fixed portable building or mobile home.

UNCONTROLLED FIRE – Any fire which threatens to destroy life, property, or resources and either: (1) is unattended by any person; (2) is attended by persons unable to prevent its unrestricted spread; and (3) is burning with such velocity or intensity that it could not be readily controlled with ordinary tools available to persons at the fire scene.

UNDETERMINED – A fire that has been investigated and has insufficient information to classify further, a fire that is under investigation, or a fire that has not yet been investigated.

VEHICLE – Fire ignited by mobile property which include: Passenger automobile, bus, school bus, off road recreational, motor home, travel trailer, camping trailer, mobile home or office designed to be towed, motorcycle or scooter.

WILDFIRE – Any uncontrolled fire spreading through vegetative fuels that threatens to destroy life, property, or resources, PRC §4103 and 4104.

WILDLAND-URBAN INTERFACE – A geographical area identified by the State as a "Fire Hazard Severity Zone" in accordance with the PRC §4201 through 4204 and Government Code §51175 through 51189, or other areas designed to be at a significant risk from wildfires.